5. NONPROPRIETARY, AGGREGATE CPNI

The AOCs will make available to all unaffiliated enhanced service providers, on the same terms and conditions, any aggregate nonproprietary CPNI that is provided to any affiliated enhanced service provider. The Companies will advise the industry about information that is available by appropriate means, such as company newsletters (including InfoTech and/or Vanguard), seminars, individual personal contacts and letters. This notification will describe the available information, the terms and dates on which it can be obtained, and how parties may obtain it.

As discussed in Section IV, <u>supra</u>, the AOCs propose to make available to all ESPs basic network information. The report derived from this information will be organized by ONA deployment area end office location. The report will be updated twice each year. Notification of the availability of the report will appear in InfoTech and the Vanguard newsletter. There will be a nominal fee for document handling which will be paid by both affiliated and non-affiliated enhanced service providers. The reports can be acquired by writing to: Information Manager, 3040 W. Salt

^{77/} December 22 Order at para. 440.

Creek Lane, Floor 3, Arlington Heights, Illinois 60005. Copies of the requests will be channeled to the Ameritech Information Industry Team for tracking and logging of the requests.

Ameritech does not plan to release additional non-proprietary, aggregate CPNI to its affiliated enhanced service providers. However, if that policy should be revised, Ameritech will notify enhanced service providers of available aggregated CPNI through the Vanguard newsletter. Copies will be available through the Ameritech Information Industry Team.

D. NON-DISCRIMINATION IN INSTALLATION AND MAINTENANCE
In its Desember 23 Order, the Commission found that the
- AOCs' service installation and maintenance procedures, as
- described in their March 10 Amendment to their Initial ONA Plan, -
- are sufficiently automated that discrimination in the
- installation and maintenance of basic services is difficult and
unlikely. 78/ The Commission, therefore, has permitted the
- Companies to modify the format of the nondiscrimination reports -
- that they are are required to file so as to compare installation-
- and maintenance performance provided for their own enhanced
- cervices with that provided to a sampling of all customers. The
- Companies, however, are required to submit annual affidavite,

^{78/} December 22 Order at para. 472. See also discussion at Section VI, supra.

APPENDIX O

NYNEX Password ID System Plan
(CC Docket 88-2, Filed April 15, 1991, pages 33-40)

D. Update Of ONA Capabilities Previously Deemed
D. Update Of ONA Capabilities Previously Deemed Technically Infeasible
The NYNEY Amended ONA Plan, at Appendix E, identified
requested capabilities which at the time of the Amendment were
- deemed technically infeasible by the NTCs. In response to the
Commission's request for an updated status of those
5.0
requests, 58 Appendix 4 of this filing provides the current
- status of capabilities which are now feasible.
- As discussed, several of these requested capabilities -
"19 618 CUS SOC. SOVETAL OF CHOSE Capasitions
- are currently satisfied by tariffed services filed since the
- last amendment. NYNEX remains committed to offering services
- which satisfy the ESP industry's needs. These services will be

- made available in accordance with the Commission's criteria for-
made available in accordance with the Commission's Criteria for
- Offering BSAs/BSEs.

VI. PASSWORD/IDENTIFICATION FOR DATABASES CONTAINING CPNI

The <u>BOC ONA Order</u> concluded that password ID is the preferred method for restricting CPNI access for enhanced services personnel and should be implemented by the BOCs, absent a specific showing that it would be unduly burdensome for them to do so. ⁵⁹ In the <u>BOC ONA Amendment Order</u>, the Commission found that the password/ID system described in the NYNEX ONA Plan was adequate for the databases to which they applied. ⁶⁰

⁵⁸ See BOC ONA Amendment Order, 5 FCC Rcd. at 3085.

^{59 &}lt;u>BOC ONA Order</u>, 4 FCC Rcd. at 223-24.

⁶⁰ BOC ONA Amendment Order, 5 FCC Rcd. at 3119.

The Commission does not require that the BOCs implement password/ID systems for auxiliary databases that contain fragmented CPNI and are not routinely accessed by enhanced services marketing personnel. Instead the Commission requires that:

Each BOC must amend its plan to apply password/ID systems to all primary databases that are routinely accessed by enhanced services marketing personnel and contain comprehensive restricted CPNI.

In addition, to ensure greater consistency in defining the databases that must be subject to password/ID, the Commission requires that:

Each BOC must also amend its plan to describe for each database containing restricted CPNI that it does not propose to implement password/ID restrictions the following: (a) database name; (b) database purpose; (c) accessibility and frequency of use by enhanced services marketing personnel; (d) types and amount of CPNI; (e) method of access restriction. 61

A. NYNEX Has Implemented A Password/ID Protection System For Its Primary Databases

As described in the NYNEX Amended ONA Plan, 62 NYNEX was working in 1989 to implement password protection to assure that NYNEX's primary databases do not permit disclosure of

Id. at 3118-19, 3121. The other amendment on CPNI, regarding competitive equity and informed customer choice, is being addressed as part of the Commission's Computer III Remand proceedings, CC Docket 90-623.

⁶² NYNEX Amended ONA Plan at Appendix J, p. 3.

customer restricted CPNI to NYNEX personnel engaged in the sale of enhanced services. As planned, NYNEX successfully implemented password protection for the Customer Record Information ("CRIS") and Carrier Access Billing Systems ("CABS") as of the fourth quarter of 1989. The password/ID system denies access by many sales and marketing employees to restricted customer records on an account basis, because their passwords identify them as marketing enhanced services.

B. NYNEX Will Apply A Password Protection/ID System To Additional CPNI Databases

In addition to CRIS and CABS, NYNEX is in the process of implementing an account based password/ID system for its service order processing ("SOP") system ⁶⁴ used to originate, process and maintain customer service requests. We take this action even though there is some question as to whether a password/ID system for NYNEX's SOP system would be required under the Commission's guidelines.

The SOP system is designed to be used by residence and business customer service/sales representatives to prepare,

The CRIS includes New York Telephone's (NYT's) ICRIS (Inquiry Customer Record Information System) and New England Telephone and Telegraph's (NET's) BOSS (Business Office Support System). The CABS system includes the NYT/NET ICABS (Inquiry Carrier Access Billing System).

The NYNEX SOP system includes New York Telephone's (NYT) and New England Telephone and Telegraph's (NET) Direct Order Entry (DOE) system, NET's SODECS (Service Order Distribution Entry And Control System) and NYT's UNISON (Universal Service Order NYNEX system).

track and distribute network service orders. It is not used for sales support. As such, the SOP system has no permanent customer CPNI records, but rather copies of pending service orders which contain, depending on the type of service order and the type of service requested, varying amounts of a customer's CPNI. A few days after the service order is complete, the order is erased from SOP.

However, although operational procedures strictly direct otherwise, ⁶⁵ the SOP systems could be used to access a portion of a customer's service and equipment record by utilizing certain system functionality to generate a new service order on an existing account. ⁶⁶ By instituting a password/ID system for NYNEX's SOP system, the potential for the intentional or unintentional unauthorized access to restricted customer CPNI records will be substantially reduced. It is for this reason that NYNEX is implementing a password/ID protection system for its SOP system. ⁶⁷

(Footnote Continued On Next Page)

As one of the first steps in a customer contact, both residence and business customer service representatives are trained to access the primary data bases, i.e., CRIS or CABS. In this way, the customer service representative immediately knows by way of the password/ID system resident in CABS/CRIS if a customer account is restricted. A customer who has restricted his/her account must be handed over to a "network only" representative.

The company service representative could use system functionality, referred to as minimal input, which automatically populates sections of the service order with a customer's CPNI data from the CRIS and CABS databases.

The status of password/ID in NYNEX's SOP system is as follows: a password/ID system is completely operational

C. Other Systems Containing CPNI

The account management and sales support databases described above support the NTCs' integrated residence and business customer service/sales representatives. Other systems that contain CPNI, also designed to support marketing and sales activities, are not utilized by these sales representatives. These systems are primarily used for market analysis and to support one time sales campaigns. Currently, there are no plans to implement an account based password protection system for these databases similar to the CRIS/CABS system. Instead, depending on the system, (1) enhanced services marketing and sales organizations are denied access to these systems or (2) restricted CPNI is entirely removed from system data bases before enhanced services personnel are allowed

^{67 (}Footnote Continued From Previous Page)

for NYT's and NET's DOE systems and will be fully implemented for NYT's UNISON system and NET's SODECs by the fourth quarter of 1991.

System names: Market Intelligence Tracking and Analysis System ("MITAS"), Business Revenue Information System ("BRIS"), CUSTOMER, Access Line History Forecasting/General Planning Forecast ("ALHF/GPF"), Telemarketing Evaluation And Mechanization/Residence Customer Analytical Profile System ("TEAM/RCAPS"), Competitive Analysis Model ("CAM"), Integrated Customer Database ("ICDB"), and Toll Marketing System Survey ("TMSS").

NYNEX will implement an account based password protection system for these databases or remove restricted CPNI if enhanced services marketing and sales personnel are provided access to these systems in the future.

access. Appendix 5, Section A supplies the data required by the Commission regarding these databases.

Numerous operations support systems and data bases that are not accessible to enhanced services marketing and sales personnel also contain CPNI. These systems are used for facilities assignment, provisioning, testing and maintenance, network engineering and planning, and accounting purposes. As a matter of normal security measures to protect company records from unauthorized access and tampering, it is standard operating practice that access to any particular system is limited to company personnel directly involved in those specific work processes that the system/database supports. Except as noted infra, marketing and sales personnel do not have access to the operations support systems used for these purposes. In addition, these systems are not designed for marketing and sales support, would be cumbersome to use, and contain only fragmented CPNI. Moreover, all of NYNEX's marketing and sales personnel are familiar with the Commission's CPNI rules and these system restrictions and have been advised that failure to comply will result in disciplinary action up to and including dismissal. The NTCs have no plans to implement an account-based password protection system for these OSSs. Appendix 5, Section C supplies the data required by the Commission regarding these databases.

Selected residence and business customer service/sales representatives have access to certain operations support

systems, i.e., TIRKS, LMOS, PREMIS-LAC and COSMOS, 70 which are infrequently used as auxiliary data bases for very specific purposes. These systems have other primary uses, and were specifically developed for those functions; however, in the interest of improving customer service, an access capability was provided to certain residence and business customer services/sales representatives. 71 These service representatives use these systems to handle repair issues which would normally be directed to repair bureaus, verify customer address information, detect fraud, and assist in the preparation of certain complex service orders. These databases contain fragmented CPNI and have limited utility for account management and/or sales support.

In addition, as discussed previously, customer services representatives with enhanced services sales responsibilities are specifically trained to access CRIS/CABS first to determine if a customer has a restricted account. In this way, the customer service representative immediately knows by way of the password/ID system resident in CABS/CRIS if a customer has a restricted account. A customer whose account has been restricted would be handed over to a "network only" customer

TIRKS - circuit provisioning/inventory, LMOS - customer trouble report processing, PREMIS-LAC - address verification and COSMOS - central office equipment assignment.

These customer services representatives may be "network only" representatives or have responsibility for both network and enhanced services.

have been notified that circumvention of these protections will result in disciplinary action up to and including dismissal. For these reasons, there are no plans to implement an account-based password protection system for these databases.

Appendix 5, Section B supplies the data required by the Commission regarding these databases.

VII. CONCLUSION
The NYNEX Telephone Companies respectfully request that
the foregoing Amendments to their ONA Plan dated May 19, 1989 be-
approved

Respectfully submitted,

NEW YORK TELEPHONE COMPANY

and

NEW ENGLAND TELEPHONE AND TELEGRAPH COMPANY

/s/ Shellev E. Harms

Mary McDermott Shelley E. Harms

120 Bloomingdale Road White Plains, NY 10605 914/683-2764

Their Attorneys

Dated: April 15, 1991

APPENDIX P

Ameritech Network Information Disclosure Nonstructural Safeguard Plan

(CC Docket 88-2, Filed May 19, 1989, pages 110-111)

complies with the cost allocation procedures suggested by the

Commission in the Phase I Order and required in the Joint Cost

Order.

B. <u>NETWORK INFORMATION DISCLOSURE</u>

The network disclosure obligations established by the Commission in its Phase II Order require the BOCs to disclose, at two different points in time, information about changes in their networks or new network services that affect the interconnection of enhanced services with the network.73/

First, at the "make/buy" point (the point at which a BOC decides to make itself, or procure from an unaffiliated entity, any product which affects or relies on the network interface), a BOC must notify the enhanced services industry of the new or changed network service, and must disclose technical information about the new or changed service to those members of the enhanced services industry that execute a nondisclosure agreement. The BOC must provide this information within thirty days of the execution of the agreement.

Second, twelve months before a new or modified network service is introduced, the BOC must publicly disclose technical information about the service. If the BOC can introduce the

^{73/} Phase II Order at paras. 107-12.

service within twelve months of the make/buy point, it may make public disclosure at the make/buy point, but not less than six months before the introduction of the service.

The AOCs will comply fully with the Commission's network disclosure obligations. ACC employees have been advised of the Commission's requirements, and internal processes have been established to insure compliance. Sample documentation relating to these processes may be found in Appendix 12. In addition, the Companies will use the existing "Infotech", "Bellcore Digest" and "Vanguard" newsletters as vehicles for disclosure. The "Vanguard" newsletter is issued quarterly by Ameritech Services and is targeted to known participants in the information industry that have expressed their interest via participation in industry forums, trade shows and seminars.

The Phase II Order established four basic requirements governing BOC use of CPNI. These requirements are: (1) the BOCs must limit the access of their enhanced service personnel to a customer's CPNI if that customer so requests; (2) upon customer request, the BOCs must release a customer's CPNI to any ESP designated by the customer, and the BOCs must make this information available on the same terms and conditions that they make CPNI available to their own enhanced services operations; (3) the BOCs must notify multiline business customers annually of these CPNI options; and (4) if the BOCs make non-proprietary,

APPENDIX Q

GTE' Initial 3-Year Deployment Report

GTE CORPORATION (GTE) ONA SERVICES DEPLOYMENT SCHEDULES

JANUARY 4, 1995

The attached deployment schedules reflect GTE projections concerning the status of hardware and software that are needed to technically allow deployment of identified ONA services.

Regulatory approvals, market and economic conditions, technological changes, capacity limitations and feature package availabilities are uncertain. Moreover, the data used for the projections contained in these schedules have been extracted from "live" databases. As is normally true for any large interactive working database, occasional errors and inconsistences occur. Thus to confirm availability of ONA services in specific wire centers, customers will need to contact GTE.

SUMMARY FOR MARKET AREA: Total Market Areas - BSA's

Total Access Lines in: Total Market Areas Total = 11673649

Percentage Availability of ONA Services By Date for Total Market Areas Total

Туре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
BSA	Type A - X.25 Pkt Sw	Pkt Sw Ntwk Svc	64.3%	64.3%	64.3%	64.3%
BSA	Type B - X.75 PKt Sw	Pkt Sw Ntwk Svc	64.3%	64.3%	64.3%	64.3%
BSA	Type F - Ded <64kbps	Digital Data Svc-DDS	93.6%	93.6%	93.6%	93.7%
BSA	Type G - Ded 1.544Mbps	Hi Cap DS1 Svc	86.8%	86.8%	86.8%	86.9%
BSA	Type H - Ded > 1.544Mbps	Hi Cap DS3 Svc	66.4%	66.3%	66.2%	66.1%
BSA	Dedicated Alert Transport	Alarm Signal Transport	89.1%	89.1%	89.1%	89.1%
BSA	Type K - Ded 64kbps	Digital Data Svc DDS	46.0%	45.8%	45.7%	45.7%
BSA	Dedicated Network Access	Data Link	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Voice Grade	Voiceband	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Program Audio	Program Audio	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Video	Videoband	100.0%	100.0%	100.0%	100.0%
BSA	TypA - Ckt Sw Line	Voice Grade Line Ckt Sw'd	100.0%	100.0%	100.0%	100.0%
BSA	TypB- Ckt Sw Trunk	Voice Grade Trunk Ckt Sw	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: Total Non Market Areas - BSA's

Total Access Lines in: Total Non Market Areas Total = 4484934

Percentage Availability of ONA Services By Date for Total Non Market Areas Total

Туре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
BSA	Type A - X.25 Pkt Sw	Pkt Sw Ntwk Svc	24.0%	24.0%	24.0%	24.1%
BSA	Type B - X.75 PKt Sw	Pkt Sw Ntwk Svc	24.0%	24.0%	24.0%	24.1%
BSA	Type F - Ded <64kbps	Digital Data Svc-DDS	78.6%	78.6%	78.6%	78.6%
BSA	Type G - Ded 1.544Mbps	Hi Cap DS1 Svc	49.5%	49.5%	49.6%	49.6%
BSA	Type H - Ded > 1.544Mbps	Hi Cap DS3 Svc	19.7%	19.8%	19.9%	20.0%
BSA	Dedicated Alert Transport	Alarm Signal Transport	58.0%	58.0%	58.1%	58.1%
BSA	Type K - Ded 64kbps	Digital Data Svc DDS	3.3%	3.4%	3.5%	3.6%
SA	Dedicated Network Access	Data Link	100.0%	100.0%	100.0%	100.0%
3SA	Dedicated Voice Grade	Voiceband	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Program Audio	Program Audio	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Video	Videoband	100.0%	100.0%	100.0%	100.0%
BSA	TypA -Ckt Sw Line	Voice Grade Line Ckt Sw'd	100.0%	100.0%	100.0%	100.0%
3SA	Typ8 -Ckt Sw Trunk	Voice Grade Trunk	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: Total Non Market Areas - BSE's

Total Access Lines in: Total Non Market Areas Total = 4484934

Percentage Availability of ONA Services By Date for Total Non Market Areas Total

Туре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
BSE			0.0%	0.0%	0.0%	0.0%
BSE	Fast Select Accept Pkt	Fast Select	24.0%	24.0%	24.0%	24.1%
BSE	Fast Select Request Pkt	Fast Select	24.0%	24.0%	24.0%	24.1%
BSE	Cld DN Deliv via DID	Direct Inward Dialing	71.6%	71.7%	71.8%	71.9%
BSE	Clig Bilg Num Deliv FG B	Automatic No. ID	71.0%	71.1%	71.2%	71.3%
3SE	Clig Blig Num Deliv FG D	Automatic No. ID	63.3%	63.3%	63.3%	63.3%
SE	Clig DA Deliv via BCLID	Clg No.ID Delivy CLASS	77.1%	77.2%	77.3%	77.4%
SE	CXR Select On Rvse Charg	800 Service	71.6%	71.7%	71.8%	71.9%
SE	Message Desk (SMDI)	Frwd Cl Info-Intraoffice	77.1%	77.2%	77.2%	77.3%
SE	MWI- Activation Audible	MWI Audible	74.1%	74.2%	74.2%	74.3%
SE	Multiline Hunt Group	Hunt Group Arrangement	86.3%	86.4%	86.5%	86.6%
SE	MLHG-UCD Line Hunting	Uniform Call Distribution	84.5%	84.6%	84.6%	84.7%
ŝE	MLHG - UCD With Queuing	Queuing	69.8%	70.0%	70.1%	70.2%
SE	Three Way Call Transfer	User Transfer	84.0%	84.1%	84.2%	84.3%
SE	Remote Call Forwarding	Foreign Exchange	85.0%	85.1%	85.2%	85.3%
E	Route Diversity	Diversity Routing	71.6%	71.7%	71.8%	71.9%
Ε	3rd No. Bllg Inhibited	Blld No. Screen'g (BNS)	86.2%	86.3%	86.4%	86.5%
Ε		Prior Pkt Sw'd Ntw Suppl	19.0%	19.1%	19.2%	19.3%
Έ		MegaConnect Svc (SMDS)	6.9%	7.0%	7.0%	7.1%
Ε		MWI Actvtn Audbl Rng Brst	30.7%	30.8%	30.8%	30.8%
SE.	Automatic Protect Switchg	Automatic Protection Sw	100.0%	100.0%	100.0%	100.0%
E	Bridging	Bridging	100.0%	100.0%	100.0%	100.0%
SE	Conditioning	Conditioning	100.0%	100.0%	100.0%	100.0%
E	Data Over Voice(DOV)	DOCConnect	100.0%	100.0%	100.0%	100.0%
Ε	Secondary Ch Capability	DDS Secondary Channel	100.0%	100.0%	100.0%	100.0%
Ε	Alternate Routing	Alternate Routing	100.0%	100.0%	100.0%	100.0%
Ε	Multiplexing - Digital	Multiplexing Arrangements	100.0%	100.0%	100.0%	100.0%
Ε	Inband Signaling	Signaling Arrangements	100.0%	100.0%	100.0%	100.0%
ŝΕ	Hi Cap Hand-Off Svc	ControlLink DCS	100.0%	100.0%	100.0%	100.0%
E	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: Total Market Areas - BSE's

Total Access Lines in: Total Market Areas Total = 11673649

Percentage Availability of ONA Services By Date for Total Market Areas Total

ype	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
SE			0.0%	0.0%	0.0%	0.0%
SE	Fast Select Accept Pkt	Fast Select	64.3%	64.3%	64.3%	64.3%
SE	Fast Select Request Pkt	Fast Select	64.3%	64.3%	64.3%	64.3%
SE	Cld DN Deliv via DID	Direct Inward Dialing	86.0%	86.0%	86.1%	86.2%
SE	Clig Bilg Num Deliv FG B	Automatic No. ID	86.0%	86.0%	86.1%	86.2%
SE	Cllg Bllg Num Deliv FG D	Automatic No. ID	65.6%	65.5%	65.5%	65.5%
SE	Cllg DA Deliv via BCLID	Clg No.ID Delivy CLASS	85.9%	86.0%	86.0%	86.1%
SE	CXR Select On Rvse Charg	800 Service	86.0%	86.0%	86.1%	86.2%
SE	Message Desk (SMDI)	Frwd Cl Info-Intraoffice	85.9%	86.0%	86.0%	86.1%
SE	MWI- Activation Audible	MWI Audible	74.9%	74.9%	75.0%	75.0%
SE	Multiline Hunt Group	Hunt Group Arrangement	88.2%	88.3%	88.3%	88.4%
SE	MLHG-UCD Line Hunting	Uniform Call Distribution	87.6%	87.6%	87.7%	87.8%
βE	MLHG - UCD With Queuing	Queuing	85.4%	85.4%	85.5%	85.6%
ŝΕ	Three Way Call Transfer	User Transfer	87.3%	87.4%	87.5%	87.6%
E	Remote Call Forwarding	Foreign Exchange	88.0%	88.1%	88.2%	88.3%
Ε	Route Diversity	Diversity Routing	86.0%	86.0%	86.1%	86.2%
Ε	3rd No. Bllg Inhibited	Bild No. Screen'g (BNS)	88.2%	88.3%	88.3%	88.4%
E		Prior Pkt Swid Ntw Suppl	9.5%	9.7%	9.8%	9.9%
Ε		MegaConnect Svc (SMDS)	32.8%	32.9%	33.0%	33.2%
E		MWI Actvtn Audbl Rng Brst	54.5%	54.4%	54.4%	54.4%
E	Automatic Protect Switchg	Automatic Protection Sw	100.0%	100.0%	100.0%	100.0%
Ε	Bridging	Bridging	100.0%	100.0%	100.0%	100.0%
ξĒ	Conditioning	Conditioning	100.0%	100.0%	100.0%	100.0%
E	Data Over Voice(DOV)	DOCConnect	100.0%	100.0%	100.0%	100.0%
E	Secondary Ch Capability	DDS Secondary Channel	100.0%	100.0%	100.0%	100.0%
Ξ	Alternate Routing	Alternate Routing	100.0%	100.0%	100.0%	100.0%
E	Multiplexing - Digital	Multiplexing Arrangements	100.0%	100.0%	100.0%	100.0%
Έ	Inband Signaling	Signaling Arrangements	100.0%	100.0%	100.0%	100.0%
SE.	Hi Cap Hand-Off Svc	ControlLink DCS	100.0%	100.0%	100.0%	100.0%
Ε	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: Total Non Market Areas - CNS's

Total Access Lines in: Total Non Market Areas Total = 4484934

Percentage Availability of ONA Services By Date for Total Non Market Areas Total

Туре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
CNS			0.0%	0.0%	0.0%	0.0%
CNS	Call Det Recd'g Rpts- Pkt	Call Detail - Pkt	24.0%	24.0%	24.0%	24.1%
CNS	Fast Select Accept Pkt	Fast Select	24.0%	24.0%	24.0%	24.1%
CNS	Fast Select Request Pkt	Fast Select	24.0%	24.0%	24.0%	24.1%
CNS	Automatic Callback	Automatic Busy Redial	83.8%	83.9%	84.0%	84.1%
NS	Automatic Recall	Automatic Call Return	83.8%	83.9%	84.0%	84.1%
NS	CFBL Intraswitch	Call Fwd Bsy Li - Fixed	84.9%	85.0%	85.1%	85.2%
NS	CFBL Interswitch	Call Fwd Bsy Li - Fixed	85.1%	85.2%	85.3%	85.4%
NS	CFBL/DA-Cust Act/Deact	Cl Fwd-B/No Ans- Variable	84.6%	84.7%	84.8%	84.9%
NS	CFBL/DA-Cust Fwd To No.	Cl Fwd-B/No Ans- Variable	84.9%	85.0%	85.1%	85.2%
IS	CFDA Intraswitch	Cl Fwd-No Ans-Fixed	84.7%	84.8%	84.9%	85.0%
NS	CFDA Interswitch	Cl Fwd-No Ans-Fixed	84.6%	84.8%	84.8%	84.9%
NS	CF Mult Sim Call Intersw	Cl Fwd'g ~ Multipath	22.3%	22.3%	22.4%	22.5%
NS	CF - Variable	Variable Cl Fwd'g	86.0%	86.1%	86.2%	86.2%
NS	CF Var - Remote Act/Cont	Remote Access-CF Variable	76.9%	77.0%	77.0%	77.1%
S	Call Waiting - Cancel	Cancel Call Waiting	85.0%	85.2%	85.2%	85.3%
IS	Cllg DA Deliv via ICLID	Clg No.ID Delivy CLASS	77.1%	77.2%	77.3%	77.4%
S	Customer Originated Trace	Call Tracing Service	77.1%	77.2%	77.3%	77.4%
S	Distinctive Ringing	VIP Alert	83.8%	83.9%	84.0%	84.1%
S	Dist Ring Term Screen	Smart Ring	84.5%	84.6%	84.7%	84.8%
S	Hot Line	Auto Ring Dwn Ckt Signal	86.2%	86.3%	86.4%	86.5%
S	MWI-ATR Audible Msg Wtg	Recieve Audible MWI	67.8%	67.9%	67.9%	68.1%
3	Selective Call Forward'g	Special Call Forwarding	83.8%	83.9%	84.0%	84.1%
\$	Selective Call Rejection	Call Block	83.8%	83.9%	84.0%	84.1%
3	Speed Calling	Speed Cllg - 8 & 30 Nos.	86.4%	86.5%	86.6%	86.6%
S		Busy Number Redial	83.8%	83.9%	84.0%	84.1%
S		Saved Number Redial	40.4%	40.4%	40.4%	40.4%
S		Last Number Redial	83.9%	84.0%	84.0%	84.1%
s	Call Waiting	Call Waiting	85.8%	85.9%	86.0%	86.1%
S	Three Way Calling	Three Way Calling	86.3%	86.4%	86.5%	86.6%
s	Remote Call Forwarding	Remote Call Forwarding	84.9%	85.0%	85.1%	85.2%
S		Cll Frwd'g Fixed-All clls	86.3%	86.4%	86.5%	86.6%
s	CFBL/DA	Cll Frwd Bsy No Ans.Fixed	85.1%	85.2%	85.3%	85.4%
s		Special Call Waiting	80.4%	80.5%	80.6%	80.8%
S		Special Call Acceptance	80.4%	80.5%	80.6%	80.8%
5		Anonymous Call Rejection	80.0%	80.1%	80.2%	80.3%
S	3rd No. Bllg Inhibited	Blld No. Screen'g (BNS)	86.2%	86.3%	86.4%	86.5%
s		Call Restriction Service	86.3%	86.4%	86.5%	86.6%
S		MWI Abl Rcv Adbl Rng Brst	30.7%	30.8%	30.8%	30.8%
s		Cust.Controllable Ringing	65.3%	65.3%	65.3%	65.3%
S	Derived Ch (Monitoring)	ScanAlert	100.0%	100.0%	100.0%	100.0%
s		GTE Dial DataLink	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: Total Market Areas - CNS's

Total Access Lines in: Total Market Areas Total = 11673649

Percentage Availability of ONA Services By Date for Total Market Areas Total

Туре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
CNS			0.0%	0.0%	0.0%	0.0%
CNS	Call Det Recd'g Rpts- Pkt	Call Detail - Pkt	64.3%	64.3%	64.3%	64.3%
CNS	Fast Select Accept Pkt	Fast Select	64.3%	64.3%	64.3%	64.3%
CNS	Fast Select Request Pkt	Fast Select	64.3%	64.3%	64.3%	64.3%
CNS	Automatic Callback	Automatic Busy Redial	87.5%	87.6%	87.7%	87.7%
CNS	Automatic Recall	Automatic Call Return	87.3%	87.4%	87.5%	87.6%
CNS	CFBL Intraswitch	Call Fwd Bsy Li - Fixed	88.2%	88.2%	88.3%	88.4%
CNS	CFBL Interswitch	Call Fwd Bsy Li - Fixed	88.2%	88.2%	88.3%	88.4%
CNS	CFBL/DA-Cust Act/Deact	Cl Fwd-B/No Ans- Variable	88.0%	88.0%	88.1%	88.2%
CNS	CFBL/DA-Cust Fwd To No.	Cl Fwd-B/No Ans- Variable	88.2%	88.2%	88.3%	88.4%
CNS	CFDA Intraswitch	Cl Fwd-No Ans-Fixed	88.1%	88.2%	88.3%	88.3%
CNS	CFDA Interswitch	Cl Fwd-No Ans-Fixed	88.1%	88.2%	88.2%	88.3%
CNS	CF Mult Sim Call Intersw	Cl Fwd'g - Multipath	22.6%	22.7%	22.8%	22.9%
CNS	CF - Variable	Variable Cl Fwd'g	88.2%	88.3%	88.3%	88.4%
CNS	CF Var - Remote Act/Cont	Remote Access-CF Variable	85.7%	85.7%	85.8%	85.9%
CNS	Call Waiting - Cancel	Cancel Call Waiting	87.8%	87.9%	88.0%	88.1%
CNS	Cllg DA Deliv via ICLID	Clg No.ID Delivy CLASS	85.9%	86.0%	86.0%	86.1%
NS	Customer Originated Trace	Call Tracing Service	85.9%	86.0%	86.0%	86.1%
NS :	Distinctive Ringing	VIP Alert	87.1%	87.2%	87.3%	87.4%
INS	Dist Ring Term Screen	Smart Ring	87.8%	87.9%	88.0%	88.1%
NS	Hot Line	Auto Ring Dwn Ckt Signal	88.2%	88.3%	88.3%	88.4%
NS I	MWI-ATR Audible Msg Wtg	Recieve Audible MWI	79.6%	79.6%	79.7%	79.8%
NS :	Selective Call Forward'g	Special Call Forwarding	87.1%	87.2%	87.3%	87.4%
NS :	Selective Call Rejection	Call Block	87.1%	87.2%	87.3%	87.4%
NS :	Speed Calling	Speed Clig - 8 & 30 Nos.	88.2%	88.3%	88.3%	88.4%
NS		Busy Number Redial	87.0%	87.1%	87.2%	87.3%
NS		Saved Number Redial	60.8%	60.7%	60.7%	60.7%
NS		Last Number Redial	87.0%	87.1%	87.2%	87.3%
NS (Call Waiting	Call Waiting	88.0%	88.0%	88.1%	88.2%
	Three Way Calling	Three Way Calling	88.0%	88.1%	88.2%	88.2%
	Remote Call Forwarding	Remote Call Forwarding	88.0%	88.0%	88.1%	88.2%
NS		Cll Frwd'g Fixed-All clls	88.0%	88.1%	88.2%	88.2%
	CFBL/DA	Cll Frwd Bsy No Ans.Fixed	88.0%	88.0%	88.1%	88.2%
NS		Special Call Waiting	74.2%	74.3%	74.4%	74.5%
NS		Special Call Acceptance	74.2%	74.3%	74.4%	74.5%
NS		Anonymous Call Rejection	73.9%	74.0%	74.1%	74.2%
	3rd No. Bllg Inhibited	Bild No. Screen'g (BNS)	88.2%	88.3%	88.3%	88.4%
NS		Call Restriction Service	88.2%	88.3%	88.3%	88.4%
NS		MWI Abl Rcv Adbl Rng Brst	54.5%	54.4%	54.4%	54.4%
NS		Cust.Controllable Ringing	78.0%	77.9%	77.9%	77.9%
	Derived Ch (Monitoring)	ScanAlert	100.0%	100.0%	100.0%	100.0%
NS	of the of the trial	GTE Dial DataLink	100.0%	100.0%	100.0%	100.0%

Total Access Lines in: ABILENE Total = 2012

Percentage Availability of ONA Services By Date for ABILENE Total

T	Companie None of ONA Com	One-dust Name of OUA C	12/74/01	40.74.405	12/74/01	12/31/07
ype ——	Generic Name of UNA Serv	Product Name of ONA Serv	12/51/94	12/31/95	12/31/96	12/31/9/
			0.0%	0.0%	0.0%	0.0%
	Type A - X.25 Pkt Sw	Pkt Sw Ntwk Svc	0.0%	0.0%	0.0%	0.0%
SA	Type B - X.75 PKt Sw	Pkt Sw Ntwk Svc	0.0%	0.0%	0.0%	0.0%
SA	Type F - Ded <64kbps	Digital Data Svc-DDS	85.5%	85.5%	85.4%	85.3%
SA	Type G - Ded 1.544Mbps	Hi Cap DS1 Svc	85.5%	85.5%	85.4%	85.3%
SA	Type H - Ded > 1.544Mbps	Hi Cap DS3 Svc	0.0%	0.0%	0.0%	0.0%
SA	Dedicated Alert Transport	Alarm Signal Transport	0.0%	0.0%	0.0%	0.0%
SA	Type K - Ded 64kbps	Digital Data Svc DDS	0.0%	0.0%	0.0%	0.0%
SE	Fast Select Accept Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
E	Fast Select Request Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
E	Cld DN Deliv via DID	Direct Inward Dialing	85.5%	85.5%	85.4%	85.3%
E	Clig Blig Num Deliv FG B	Automatic No. ID	85.5%	85.5%	85.4%	85.3%
E	Cllg Bllg Num Deliv FG D	Automatic No. ID	85.5%	85.5%	85.4%	85.3%
Ε	Cllg DA Deliv via BCLID	Clg No.ID Delivy CLASS	0.0%	0.0%	0.0%	0.0%
	CXR Select On Rvse Charg	800 Service	85.5%	85.5%	85.4%	85.3%
	Message Desk (SMDI)	Frwd Cl Info-Intraoffice	0.0%	0.0%	0.0%	0.0%
	MWI- Activation Audible	MWI Audible	0.0%	0.0%	0.0%	0.0%
	Multiline Hunt Group	Hunt Group Arrangement	85.5%	85.5%	85.4%	85.3%
	MLHG-UCD Line Hunting	Uniform Call Distribution	85.5%	85.5%	85.4%	85.3%
	MLHG - UCD With Queuing	Queuing	85.5%	85.5%	85.4%	85.3%
	Three Way Call Transfer	User Transfer	85.5%	85.5%	85.4%	85.3%
	Remote Call Forwarding	Foreign Exchange	85.5%	85.5%	85.4%	85.3%
	Route Diversity		85.5%	85.5%	85.4%	
	3rd No. Bllg Inhibited	Diversity Routing				85.3%
•	Sid No. Billy Timibiled	Bild No. Screen'g (BNS)	85.5%	85.5%	85.4%	85.3%
		Prior Pkt Sw'd Ntw Suppl	0.0%	0.0%	0.0%	0.0%
		MegaConnect Svc (SMDS)	0.0%	0.0%	0.0%	0.0%
		MWI Actvtn Audbl Rng Brst	0.0%	0.0%	0.0%	0.0%
	Call Det Recd'g Rpts- Pkt		0.0%	0.0%	0.0%	0.0%
	Fast Select Accept Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Fast Select Request Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Automatic Callback	Automatic Busy Redial	85.5%	85.5%	85.4%	85.3%
	Automatic Recall	Automatic Call Return	85.5%	85.5%	85.4%	85.3%
	CFBL Intraswitch	Call Fwd Bsy Li - Fixed	85.5%	85.5%	85.4%	85.3%
	CFBL Interswitch	Call Fwd Bsy Li - Fixed	85.5%	85.5%	85.4%	85.3%
	CFBL/DA-Cust Act/Deact	Cl Fwd-B/No Ans- Variable	85.5%	85.5%	85.4%	85.3%
•	CFBL/DA-Cust Fwd To No.	Cl Fwd-B/No Ans- Variable	85.5%	85.5%	85.4%	85.3%
6 (CFDA Intraswitch	Cl Fwd-No Ans-Fixed	85.5%	85.5%	85.4%	85.3%
6 (CFDA Interswitch	Cl Fwd-No Ans-Fixed	85.5%	85.5%	85.4%	85.3%
C	CF Mult Sim Call Intersw	Cl Fwd'g - Multipath	0.0%	0.0%	0.0%	0.0%
(CF - Variable	Variable Cl Fwd'g	85.5%	85.5%	85.4%	85.3%
C	CF Var - Remote Act/Cont	Remote Access-CF Variable	0.0%	0.0%	0.0%	0.0%
C	Call Waiting - Cancel	Cancel Call Waiting	85.5%	85.5%	85.4%	85.3%
	Cllg DA Deliv via ICLID	Clg No.ID Delivy CLASS	0.0%	0.0%	0.0%	0.0%
	Customer Originated Trace	Call Tracing Service	0.0%	0.0%	0.0%	0.0%
	istinctive Ringing	VIP Alert	85.5%	85.5%	85.4%	85.3%
	ist Ring Term Screen	Smart Ring	85.5%	85.5%	85.4%	85.3%
						JJ . J/6
	lot Line	Auto Ring Dwn Ckt Signal	85.5%	85.5%	85.4%	85.3%

CNS	Selective Call Forward'g	Special Call Forwarding	85.5%	85.5%	85.4%	85.3%
CNS	Selective Call Rejection	Call Block	85.5%	85.5%	85.4%	85.3%
CNS	Speed Calling	Speed Cllg - 8 & 30 Nos.	85.5%	85.5%	85.4%	85.3%
CNS		Busy Number Redial	85.5%	85.5%	85.4%	85.3%
CNS		Saved Number Redial	0.0%	0.0%	0.0%	0.0%
CNS		Last Number Redial	85.5%	85.5%	85.4%	85.3%
CNS	Call Waiting	Call Waiting	85.5%	85.5%	85.4%	85.3%
CNS	Three Way Calling	Three Way Calling	85.5%	85.5%	85.4%	85.3%
CNS	Remote Call Forwarding	Remote Call Forwarding	85.5%	85.5%	85.4%	85.3%
CNS		Cll Frwd'g Fixed-All clls	85.5%	85.5%	85.4%	85.3%
CNS	CFBL/DA	Cll Frwd Bsy No Ans.Fixed	85.5%	85.5%	85.4%	85.3%
CNS		Special Call Waiting	85.5%	85.5%	85.4%	85.3%
CNS		Special Call Acceptance	85.5%	85.5%	85.4%	85.3%
CNS		Anonymous Call Rejection	85.5%	85.5%	85.4%	85.3%
CNS	3rd No. Bllg Inhibited	Bild No. Screen'g (BNS)	85.5%	85.5%	85.4%	85.3%
CNS	<u>-</u>	Call Restriction Service	85.5%	85.5%	85.4%	85.3%
CNS		MWI Abl Rcv Adbl Rng Brst	0.0%	0.0%	0.0%	0.0%
CNS		Cust.Controllable Ringing	85.5%	85.5%	85.4%	85.3%
BSA	Dedicated Voice Grade	Voiceband	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Program Audio	Program Audio	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Video	Videoband	100.0%	100.0%	100.0%	100.0%
BSA	Dedicated Network Access	Data Link	100.0%	100.0%	100.0%	100.0%
BSA	TypA - Ckt Sw Line	Voice Grade Line Ckt Sw'd	100.0%	100.0%	100.0%	100.0%
BSA	TypB - Ckt Sw Trunk	Voice Grade Trunk Ckt Sw'd	100.0%	100.0%	100.0%	100.0%
BSE	Bridging	Bridging	100.0%	100.0%	100.0%	100.0%
BSE	Automatic Protect Switchg	Automatic Protection Sw	100.0%	100.0%	100.0%	100.0%
BSE	Conditioning	Conditioning	100.0%	100.0%	100.0%	100.0%
BSE	Data Over Voice (DOV)	DOVConnect	100.0%	100.0%	100.0%	100.0%
BSE	Secondary Ch Capability	DDS Secondary Channel	100.0%	100.0%	100.0%	100.0%
BSE	Alternate Routing	Alternate Routing	100.0%	100.0%	100.0%	100.0%
BSE	Multiplexing - Digital	Multiplexing Arrangements	100.0%	100.0%	100.0%	100.0%
BSE	Inband Signaling	Signaling Arrangements	100.0%	100.0%	100.0%	100.0%
BSE	Hi Cap Hand-Off Svc	ControlLink DCS	100.0%	100.0%	100.0%	100.0%
BSE	Acc To Clr Ch Transmissn	Clear Channel Capability	100.0%	100.0%	100.0%	100.0%
CNS	Derived Ch (Monitoring)	ScanAlert	100.0%	100.0%	100.0%	100.0%
CNS		GTE Dial DataLink	100.0%	100.0%	100.0%	100.0%

SUMMARY FOR MARKET AREA: ALBUQUERQUE

Total Access Lines in: ALBUQUERQUE Total = 2282

Percentage Availability of ONA Services By Date for ALBUQUERQUE

Total

уре	Generic Name of ONA Serv	Product Name of ONA Serv	12/31/94	12/31/95	12/31/96	12/31/97
			0.0%	0.0%	0.0%	0.0%
Α	Type A - X.25 Pkt Sw	Pkt Sw Ntwk Svc	0.0%	0.0%	0.0%	0.0%
4	Type B - X.75 PKt S₩	Pkt Sw Ntwk Svc	0.0%	0.0%	0.0%	0.0%
1	Type F - Ded <64kbps	Digital Data Svc-DDS	95.5%	95.5%	95.5%	95.4%
	Type G - Ded 1.544Mbps	Hi Cap DS1 Svc	24.1%	24.4%	24.8%	25.3%
	Type H - Ded > 1.544Mbps	Hi Cap DS3 Svc	0.0%	0.0%	0.0%	0.0%
	Dedicated Alert Transport	Alarm Signal Transport	37.4%	36.9%	36.5%	36.0%
4	Type K - Ded 64kbps	Digital Data Svc DDS	0.0%	0.0%	0.0%	0.0%
•	Fast Select Accept Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Fast Select Request Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Cld DN Deliv via DID	Direct Inward Dialing	100.0%	100.0%	100.0%	100.0%
	Clig Bilg Num Deliv FG B	Automatic No. ID	100.0%	100.0%	100.0%	100.0%
	Cllg Bllg Num Deliv FG D		100.0%	100.0%	100.0%	100.0%
	Cllg DA Deliv via BCLID	Clg No.ID Delivy CLASS	0.0%	0.0%	0.0%	0.0%
	CXR Select On Rvse Charg	800 Service	100.0%	100.0%	100.0%	100.0%
	Message Desk (SMDI)	Frwd Cl Info-Intraoffice	0.0%	0.0%	0.0%	0.0%
	MWI- Activation Audible	MWI Audible	0.0%	0.0%	0.0%	0.0%
	Multiline Hunt Group	Hunt Group Arrangement	100.0%	100.0%	100.0%	100.0%
	MLHG-UCD Line Hunting	Uniform Call Distribution	100.0%	100.0%	100.0%	100.0%
	MLHG - UCD With Queuing	Queuing	100.0%	100.0%	100.0%	100.0%
	Three Way Call Transfer	User Transfer	100.0%	100.0%	100.0%	100.0%
	Remote Call Forwarding	Foreign Exchange	100.0%	100.0%	100.0%	100.0%
	Route Diversity	Diversity Routing	100.0%	100.0%	100.0%	100.0%
	3rd No. Bllg Inhibited		100.0%	100.0%	100.0%	100.0%
	ord No. Berry Thiribited	Blld No. Screen'g (BNS) Prior Pkt Sw ¹ d Ntw Suppl	0.0%	0.0%	0.0%	0.0%
		• •		0.0%	0.0%	0.0%
		MegaConnect Svc (SMDS)	0.0%			
	Sall Dat Dardt - Duta - Die	MWI Actvtn Audbl Rng Brst	0.0%	0.0%	0.0%	0.0%
	Call Det Recdig Rpts- Pkt		0.0%	0.0%	0.0%	0.0%
	Fast Select Accept Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Fast Select Request Pkt	Fast Select	0.0%	0.0%	0.0%	0.0%
	Automatic Callback	Automatic Busy Redial	100.0%	100.0%	100.0%	100.0%
	Automatic Recall	Automatic Call Return	100.0%	100.0%	100.0%	100.0%
	CFBL Intraswitch	Call Fwd Bsy Li - Fixed	100.0%	100.0%	100.0%	100.0%
	CFBL Interswitch	Call Fwd Bsy Li - Fixed	100.0%	100.0%	100.0%	100.0%
	CFBL/DA-Cust Act/Deact	Cl Fwd-B/No Ans- Variable	100.0%	100.0%	100.0%	100.0%
	CFBL/DA-Cust Fwd To No.	Cl Fwd-B/No Ans- Variable	100.0%	100.0%	100.0%	100.0%
	CFDA Intraswitch	Cl Fwd-No Ans-Fixed	100.0%	100.0%	100.0%	100.0%
	CFDA Interswitch	Cl Fwd-No Ans-Fixed	100.0%	100.0%	100.0%	100.0%
	CF Mult Sim Call Intersw	Cl Fwd¹g - Multipath	0.0%	0.0%	0.0%	0.0%
	CF - Variable	Variable Cl Fwd'g	100.0%	100.0%	100.0%	100.0%
1	CF Var - Remote Act/Cont	Remote Access-CF Variable	0.0%	0.0%	0.0%	0.0%
	Call Waiting - Cancel	Cancel Call Waiting	100.0%	100.0%	100.0%	100.0%
	Cllg DA Deliv via ICLID	Clg No.ID Delivy CLASS	0.0%	0.0%	0.0%	0.0%
,	Customer Originated Trace	Call Tracing Service	0.0%	0.0%	0.0%	0.0%
ı	Distinctive Ringing	VIP Alert	100.0%	100.0%	100.0%	100.0%
ı	Dist Ring Term Screen	Smart Ring	100.0%	100.0%	100.0%	100.0%
	Hot Line	Auto Ring Dwn Ckt Signal	100.0%	100.0%	100.0%	100.0%
ı	100 21110					